

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to drains
cross roads of B Krishnappa layout in
amruthahalli in ward no.07 Byataranapura

Presurements

Estimate cost: 25.00 lakhs

1 year

pre measurement

BRUHAT BANGALORE MAHANAGARA PALIKE									
KODIGEHALI SUB DIVISION- WARD 7 BYATARAYANAPURA									
Agency									
Name of work: Improvements to drains cross roads of B Krishnappa layout in amruthahalli in ward no.07 Byataranapura. Estimated Cost:-25.00 Lakhs									
PRE MEASUREMENTS									
SI NO	Description of work	ch	No	L	B	D	QTY		
1	Removing and refixing stone slabs of drains and pointing in CM(1:3)								
	Munugurappa layout main road (LHS)	0-14	1	14	0.6	0.75	6.30		
	CULVERT	14-17.5	1						
		17.5-43.5	1	26	0.75	0.75	14.63		
	CULVERT	43.5-48.5	1						
		48.5-77.5	1	29	0.75	0.75	16.31		
	CULVERT	77.5-84	1						
		84-114	1	30	0.75	0.75	16.88		
					cum	Total	54.11		

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Engineer

3	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.								
	RCC Drain								
	LHS (From Mungurappa layout main road)	0-30	1	30	0.9	0.15	4.05		
		30-60	1	30	0.9	0.15	4.05		
		60-90	1	30	0.9	0.15	4.05		
	2.2m + 3m 100% road	90-109	1	19	0.9	0.15	2.57		
	RHS	0-30	1	30	0.9	0.15	4.05		
		30-60	1	30	0.9	0.15	4.05		
		60-90	1	30	0.9	0.15	4.05		
		90-109	1	19	0.9	0.15	2.57		
	Between 3rd and 4th cross road	0-15	1	15	0.9	0.15	2.03		
							31.46		
	Placing of kerbs								
	Munugurappa layout main road (LHS)	0-14	1	14	0.45	0.15	0.95		
	CULVERT	14-17.5	1	3.5	0.45	0.15	0.24		
		17.5-43.5	1	26	0.45	0.15	1.76		
	CULVERT	43.5-48.5	1	5	0.45	0.15	0.34		
		48.5-77.5	1	29	0.45	0.15	1.96		
	CULVERT	77.5-84	1	6.5	0.45	0.15	0.44		
		84-114	1	30	0.45	0.15	2.03		
							7.70		
	CC ROAD								
		0-15	1	15	(3.3+4)/2	0.15	8.21		
		15-30	1	15	(4+4.3)/2	0.15	9.34		
		30-45	1	15	(4.3+4.3)/2	0.15	9.68		
		45-56	1	11	(4.3+4.3)/2	0.15	7.10		
							34.32		
					Total		73.47		
					Qty Ltd to		71.63		
							71.62		

5	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications								
				L	no of rods	le of u bar	Total length		
	LHS						10mm	8mm	
	Main rod	0-30	1	30	334	1.8	601.2		
	distribution		1	30	7	30		210	
	Main rod	30-60	1	30	334	1.8	601.2		
	distribution		1	30	7	30		210	
	Main rod	60-90	1	30	334	1.8	601.2		
	distribution		1	30	7	30		210	
	Main rod	90-109	1	19	215	1.8	387		
	distribution		1	19	7	19		133	
	RHS								
	Main rod	0-30	1	30	335	1.8	603		
	distribution		1	30	7	30		210	
	Main rod	30-60	1	30	335	1.8	603		
	distribution		1	30	7	30		210	
	Main rod	60-90	1	30	335	1.8	603		
	distribution		1	30	7	30		210	
	Main rod	90-109	1	19	215	1.8	387		
	distribution		1	19	7	19		133	
	Main rod	0-15	1	15	170	1.8	306		
	distribution		1	15	7	15		105	
							4692.6	1631	
							0.62 kg/cum	0.39kg/cum	
							2909.41	636.09	
						tonne	3545.5	3.54	

Assistant Engineer

Page 4

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Metropolitan Corporation
Bangalore - 560 092

Assistant Executive Engineer
Rodighalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to drains
cross roads of B Krishnappa layout in
amruthahalli in ward no.07 Byataranapura

Main Bill

Estimate cost: 25.00 lakhs

1 year

BRUHAT BANGALORE MAHANAGARA PALIKE									
KODIGEHALI SUB DIVISION- WARD 7 BYATARAYANAPURA									
Agency		Sri.Channakeshawa enterprises							
Name of work: Improvements to drains cross roads of B Krishnappa layout in amruthahalli in ward no.07 Byataranapura.Estimated Cost:-25.00 Lakhs									
MAIN BILL SHEET									
1	Removing and refixing stone slabs of drains and pointing in CM(1:3)								
	Qty vide mst sheet no (1)				sqm	54.11			
2	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.								
	Qty vide mst sheet no (2)				cum	290.70			
3	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM								
	Qty vide mst sheet no (3)				cum	71.63			
5	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of								
	Qty vide mst sheet no (4)				tonne	3.54			
6	Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge								
	Qty vide mst sheet no (5)				sqm	528.00			

Assistant Engineer

Assistant Executive Engineer
 Assistant Executive Engineer
 Bruhat Bangalore Mahanagara Palike
 Bangalore - 560 092

4	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complete as per specifications								
	RCC Drain	cum							
	Bottom-LHS	0-30	1	30	0.75	0.15	3.38	✓	
		30-60	1	30	0.75	0.15	3.38	✓	
	(10.2m + 7m)	60-90	1	30	0.75	0.15	3.38	✓	
	And c/c of road.	90-109	1	19	0.75	0.15	2.14	✓	
	Bottom-RHS	0-30	1	30	0.75	0.15	3.38	✓	
		30-60	1	30	0.75	0.15	3.38	✓	
		60-90	1	30	0.75	0.15	3.38	✓	
	(10.2 + 7m)	90-109	1	19	0.75	0.15	2.14	✓	
	Side wall-LHS	0-30	2	30	0.15	0.55	4.95	✓	
		30-60	2	30	0.15	0.55	4.95	✓	
		60-90	2	30	0.15	0.55	4.95	✓	
		90-109	2	19	0.15	0.55	3.14	✓	
	Side wall-RHS	0-30	2	30	0.15	0.55	4.95	✓	
		30-60	2	30	0.15	0.55	4.95	✓	
		60-90	2	30	0.15	0.55	4.95	✓	
		90-109	2	19	0.15	0.55	3.14	✓	
	Between 3rd and 4th cross road	0-15	1	15	0.75	0.15	1.69	✓	
			2	15	0.15	0.6	2.70	✓	
							64.88	✓	
	Coping on drain								
	LHS (From Mungurappa layout	0-14	2	14	0.15	0.1	0.42	✓	
		14-17.5	2	3.5	0.15	0.1	0.11	✓	
		17.5-43.5	2	26	0.15	0.1	0.78	✓	
		43.5-48.5	2	5	0.15	0.1	0.15	✓	
		48.5-77.5	2	29	0.15	0.1	0.87	✓	
		77.5-84	2	6.5	0.15	0.1	0.20	✓	
		84-114	2	30	0.15	0.1	0.90	✓	
							3.42	✓	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

68.30.

Assistant Engineer

Page 7

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

CC ROAD	0-15	1	15	(3.3+4)/2	0.1	5.48		
	15-30	1	15	(4+4.3)/2	0.1	6.23		
	30-45	1	15	(4.3+4.3)/2	0.1	6.45		
	45-56	1	11	(4.3+4.3)/2	0.1	4.73		
						22.88		
			cum	Total		91.18		
Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 10cms thick								
RCC Drain	nos							
LHS (From Mungurappa layout	0-30	45	0.75	0.6		20.25		
	30-60	48	0.75	0.6		21.60		
	60-90	46	0.75	0.6		20.70		
And crossroads	90-109	50	0.75	0.6		22.50		
RHS								
	0-30	46	0.75	0.6		20.70		
	30-60	45	0.75	0.6		20.25		
	60-90	45	0.75	0.6		20.25		
	90-109	43	0.75	0.6		19.35		
4TH CROSS	0-30	50	0.75	0.6		22.50		
	30-60	14	0.75	0.6		6.30		
				Total		194.40		
			sqm	Qty Ltd to		194.25		
Providing one line dressing to granite stone slabs/granite stone masonry as per specifications								
LHS (From Mungurappa layout main road]	0-30	45	0.75	0.6		20.25		
	30-60	48	0.75	0.6		21.60		
	60-90	46	0.75	0.6		20.70		
	90-109	50	0.75	0.6		22.50		
RHS								
	0-30	46	0.75	0.6		20.70		
	30-60	45	0.75	0.6		20.25		
	60-90	45	0.75	0.6		20.25		
	90-109	43	0.75	0.6		19.35		
4TH CROSS	0-30	50	0.75	0.6		22.50		
	30-60	14	0.75	0.6		6.30		
			sqm	Total		194.40		
				Qty Ltd to		194.25		

Assistant Engineer

Page 8

Assistant Executive Engineer
Kodigehalli Sub DivisionRuhat Bangalore Mahanagara Palike
Bangalore - 560 092

Assistant Executive Engineer
Kannada Language Section
Bruhat Bangalore Mahanagara Palike

10	:Providing and applying ready mix priming coat over ocncrete / masonry, / bestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour compelte as per							
	LHS (From Mungurappa layout main road)	Sqm						
	LHS	0-30	30		0.45	13.5	✓	
		30-60	30		0.45	13.5	✓	
		60-90	30		0.45	13.5	✓	
	(102mt + 7m)	90-109	19		0.45	8.55	✓	
	RHS	0-30	30		0.45	13.5	✓	
		30-60	30		0.45	13.5	✓	
		60-90	30		0.45	13.5	✓	
	— / —	90-109	19		0.45	8.55	✓	
	cross road							
	2 sides	0-30	30		0.45	27	✓	
		30-60	30		0.45	27	✓	
		60-90	30		0.45	27	✓	
		90-109	19		0.45	17.1	✓	
	cross road							
	2 sides	0-30	30		0.45	27	✓	
		30-60	30		0.45	27	✓	
		60-90	30		0.45	27	✓	
		90-109	19		0.45	17.1	✓	
	Main road	0-14	14		0.45	6.3	✓	
		14-17.5						
		17.5-43.5	26		0.45	11.7	✓	
		43.5-48.5						
		48.5-77.5	29		0.45	13.05	✓	
		77.5-84						
		84-114	30		0.45	13.5	✓	
				Sqm	total	338.85	✓	

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

11	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH							
	As per item no. 2				cum	290.70	/	
	Assistant Engineer	Assistant Executive Engineer			Executive Engineer			
	Ward No.07	Kodigehalli Sub division			Byatarayanapura Division			

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to drains
cross roads of B Krishnappa layout in
amruthahalli in ward no.07 Byataranapura

Estimate cost: 25.00 lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE
KODIGEHALI SUB DIVISION- WARD 7 BYATARAYANAPURA

Name of work

Improvements to drains cross roads of B
 Krishnappa layout in amruthahalli in ward no.07
 Byataranapura.

Job code

007-20-000091

P-code

1771

Agency

Anjan kumar

First and final bill

SI NO	Description	unit	Qty	RATE	AMOUNT
1	Removing and refixing stone slabs of drains and pointing in CM(1:3)				
	Present Qty	sqm	54.11		
	Previous Qty		0.00		
	Total Qty		54.11		
	BOQ Qty		68.25		
	Qty for payment		54.11	111.00	6006.49
2	Earthwork excavation by manual means in rodinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications..				
	Present Qty	cum	290.70		
	Previous Qty		0.00		
	Total Qty		290.70		
	BOQ Qty		290.70		
	Qty for payment		290.70	137.80	40058.46

Atul K. N. D.
 AE (W7)


 Assistant Executive Engineer
 Kodigehalli Sub Division
 Bruhat Bangalore Mahanagara Palike
 Bangalore - 560 092

3	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications.				
	Present Qty	cum	71.63		
	Previous Qty		0.00		
	Total Qty		71.63		
	BOQ Qty		71.62		
	Qty for payment		71.62	5505.00	394268.10
5	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications				
	Present Qty	tonne	3.54		
	Previous Qty		0.00		
	Total Qty		3.54		
	BOQ Qty		3.54		
	Qty for payment		3.54	72326.00	256034.04

Asst. Eng. W.D.
AE(WD)

CyD
Assistant Executive Eng.
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palika,
Bangalore - 560 092

6	Providing and removing Centering, shuttering, strutting, cropping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge				
	Present Qty	sqm	528.00		
	Previous Qty		0.00		
	Total Qty		528.00		
	BOQ Qty		528.00		
	Qty for payment		528.00	483.36	255214.08
4	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complete as per specifications.				
	Present Qty	cum	91.18		
	Previous Qty		0.00		
	Total Qty		91.18		
	BOQ Qty		91.28		
	Qty for payment		91.18	5747.32	524055.01

M. H. L. N. D.
AE (W-1)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palika
Bangalore - 560 092

6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 10cms thick				
	Present Qty	sqm	194.25		
	Previous Qty		0.00		
	Total Qty		194.25		
	BOQ Qty		194.25		
	Qty for payment		194.25	966.72	187785.36
page - 8					
7	Providing one line dressing to granite stone slabs/granite stone masonry as per specifications				
	Present Qty	sqm	165.00		
	Previous Qty		0.00		
	Total Qty		165.00		
	BOQ Qty		165.00		
	Qty for payment		165.00	950.82	156885.30
page - 8					
8	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x150x500 mm and finished with CM 1:3 plastering and finishing cutting etc., complete				
	Present Qty	nos	784.00		
	Previous Qty		0.00		
	Total Qty		784.00		
	BOQ Qty		785.00		
	Qty for payment		784.00	467.46	366488.64
page - 9					
8	Providing and applying ready mix priming coat over concrete / masonry, / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter and sand papering including cost of materials, labour complete				
	Present Qty	sqm	256.95	338.85	
	Previous Qty		0.00		
	Total Qty		256.95	338.85	
	BOQ Qty		353.25		13289.62
	Qty for payment		256.95	39.22	10077.58
page - 10					

Asst. Exec. Eng.
AE(21)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

9	Loading and unloading of stone boulder/stone aggregates/ and/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH				
	Name of work	cum			
	Present Qty	290.70			
	Previous Qty	0.00			
	Total Qty	290.70			
	BOQ Qty	290.70			
	Qty for payment	290.70	94.34	27424.64	
			TOTAL	2218291.20	

M. H. G. N. D.
Assistant Engineer
Ward No.07

C. P. A. 24/4/21
Assistant Executive Engineer
Assistant Executive Engineer
Kodigehalli Subdivision
Bangalore - 560 092

2227496.13
267299.53
249678.66
2494000/-
Round off: 2494000/-
02/04/21
N.D.
AE (wt)